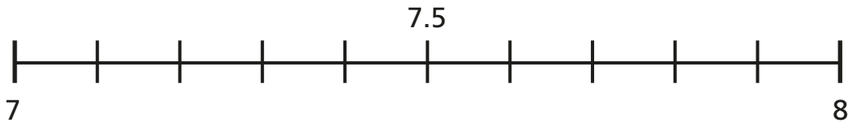
Rounding decimals

1 Show the position of each number on the number line.

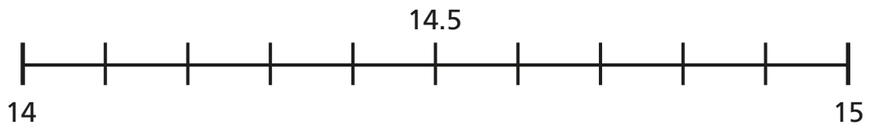
Use the number line to round these decimals to the nearest whole number.

a) 7.2



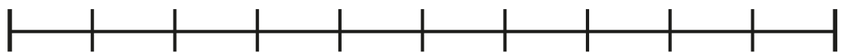
The nearest whole number is ☐

b) 14.8



The nearest whole number is ☐

c) 6.5

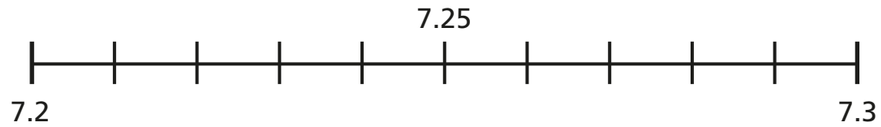


The nearest whole number is ☐

Explain to a partner how to round decimal numbers to the nearest whole number.

2 Use the number line to round these decimal numbers to the nearest tenth and the nearest whole number.

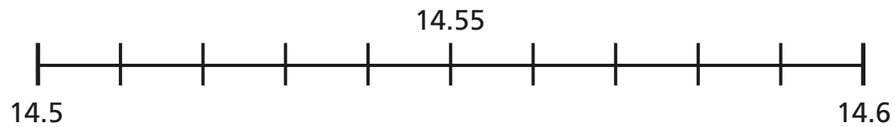
a) 7.23



The nearest tenth is ☐

The nearest whole number is ☐

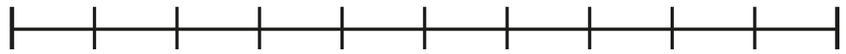
b) 14.56



The nearest tenth is ☐

The nearest whole number is ☐

c) 6.45



The nearest tenth is ☐

The nearest whole number is ☐

Explain to a partner how to round decimal numbers to one decimal place.

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3 **a)** When rounding to the nearest tenth, how many digits will there be after the decimal point? ☐

b) Round each number to one decimal place.

1.33	☐	4.03	☐
1.34	☐	4.04	☐
1.35	☐	4.05	☐
1.36	☐	4.06	☐
1.37	☐	4.07	☐

4 Round each number to the nearest tenth.

a) 4.21	☐	**d)** 11.86	☐	**g)** 12.92	☐
b) 8.09	☐	**e)** 5.67	☐	**h)** 10.65	☐
c) 4.84	☐	**f)** 0.15	☐		

5 Circle each decimal that rounds to 6.2

6.32 **6.23** **6.27** **6.17** **6.12** **6.25**

Explain your reasoning.

_____

_____

6 Here are the weights in kilograms of some parcels.

3.48 kg 1.42 kg 10.65 kg 1.03 kg

a) Round the weight of each parcel to 1 decimal place.

☐ kg ☐ kg ☐ kg ☐ kg

b) The weight of each parcel has been rounded to the nearest 100g.

Is this true or false? _____

Talk about it with a partner.

7 Amir is thinking of a number.

Rounded to the nearest whole his number is 5

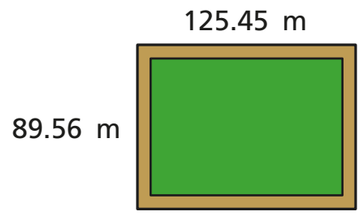
Rounded to the nearest tenth his number is 4.8

Write at least four different numbers that Amir could be thinking of.

_____

8 A farmer is building a new fence for her sheep field.

Here are the measurements.



She wants to build a fence around the whole field.

Estimate how much fencing you think she will need.

Talk about your estimate with a partner.

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